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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/819,118	03/27/2001	Shlomo Ovadia	42390P10197	4322

8791 7590 10/20/2006

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EXAMINER

BUI, KIEU OANH T

ART UNIT PAPER NUMBER

2623

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/819,118

Examiner

KIEU-OANH BUI

Applicant(s)

OVADIA, SHLOMO

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2623

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after allowance filed on 10/03/2006.
2. ☒ The allowed claim(s) is/are 2-15, 18-22 and 25-29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
KIEU-OANH BUI  
Primary Examiner  
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**DETAILED ACTION**

***Remark***

1. Claims 1, 16-17, and 23-24 were canceled. Pending claims are claims 2-15, 18-22, and 25-29 for reconsideration.

***Allowable Subject Matter***

2. Claims 2-15, 18-22, and 25-29 have been allowed.

***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

The closest prior art of record issued to Rakib and Frodigh et al (IDS submitted) fails to either alone or combine to other prior arts to teach or suggest a computing device and its corresponding methods including the step of receiving a broadband signal at a receiver by the use of a first modulation technique; tuning the receiver to a channel within the broadcast signal; modifying one or more operational parameters to demodulate the channel by the use of a second modulation technique to determine whether the channel is a data channel by further adjusting a demodulator associated with the first modulation technique to demodulate the received channel in accordance with the second modulation technique; sweeping a carrier frequency through a loop bandwidth of the channel until carrier frequency lock is achieved; and determining that the channel is an active data channel if carrier frequency lock is achieved" as cited in claim 3 and similarly in claims 10, 15, and 22. Although Frodigh teaches to have method for demodulating information in a communication system that supports multiple modulation scheme, yet Frodigh

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is silent on the step of "sweeping a carrier frequency through a loop bandwidth of the channel to until carrier frequency lock is achieved, and determining that the channel is an active data channel if carrier frequency lock is achieved" therein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

6. **Any response to this action should be mailed to:**  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to PTO New Central Fax number:**  
**(571) 273-8300, (for Technology Center 2600 only)**

Hand deliveries must be made to Customer Service Window,  
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu-Oanh Bui whose telephone number is (571) 272-7291. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM, with alternate Fridays off.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'K. Bui', with a long, sweeping horizontal line extending to the right.

Kieu-Oanh Bui  
Primary Examiner  
Art Unit 2623

KB  
Oct.17, 2006